

=> d his

(FILE 'HOME' ENTERED AT 16:05:47 ON 29 DEC 2003)

FILE 'REGISTRY' ENTERED AT 16:06:03 ON 29 DEC 2003

L1 0 S P450CAM
L2 0 S CAMC GENE
L3 0 S CAMC AND P450
L4 16 S P-450 AND CAM

FILE 'REGISTRY' ENTERED AT 16:10:09 ON 29 DEC 2003

SET TERMSET E#
DEL SEL Y
SEL L4 16 RN
L5 1 S E1/RN
SET TERMSET LOGIN

FILE 'USPATFULL' ENTERED AT 16:10:13 ON 29 DEC 2003

L6 2 S L5

=> d l4 1-16

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L4 ANSWER 1 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-28-2 REGISTRY
CN Cytochrome P 450 [334-alanine] (plasmid CAM gene camC) (9CI)
(CA INDEX NAME)

OTHER NAMES:

CN 11: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 2 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-27-1 REGISTRY
CN Cytochrome P 450 [96-leucine,247-alanine] (plasmid CAM gene camC)
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 10: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-26-0 REGISTRY
CN Cytochrome P 450 [96-alanine,247-leucine] (plasmid CAM gene camC)
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 9: PN: WO0078973 PAGE: 22 unclaimed sequence

FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-25-9 REGISTRY
CN Cytochrome P 450 [87-alanine,96-phenylalanine,247-alanine] (plasmid CAM gene camC) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 8: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 5 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-24-8 REGISTRY
CN Cytochrome P 450 [87-alanine,96-phenylalanine] (plasmid CAM gene camC) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 6 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-23-7 REGISTRY
CN Cytochrome P 450 [87-leucine,96-phenylalanine] (plasmid CAM gene camC) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 6: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 7 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-22-6 REGISTRY
CN Cytochrome P 450 [96-histidine] (plasmid CAM gene camC) (9CI)

(CA INDEX NAME)

OTHER NAMES:

CN 4: PN: WO0078973 SEQID: 1 claimed protein
CN 5: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 8 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-21-5 REGISTRY
CN Cytochrome P 450 [96-alanine] (plasmid CAM gene camC) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3: PN: WO0078973 SEQID: 1 claimed protein
CN 4: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 9 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 315722-20-4 REGISTRY
CN Cytochrome P 450 [96-phenylalanine] (plasmid CAM gene camC) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2: PN: WO0078973 SEQID: 1 claimed protein
CN 3: PN: WO0078973 PAGE: 22 unclaimed sequence
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 10 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 250776-89-7 REGISTRY
CN Cytochrome P 450 (Pseudomonas putida gene camC camphor monooxygenase isoenzyme) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2: PN: WO0078973 SEQID: 1 unclaimed sequence
CN Cytochrome P 450 (plasmid CAM gene camC)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

2 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 11 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN

RN 178902-61-9 REGISTRY

CN Cytochrome P 450 [87-alanine,96-glycine,193-alanine] (plasmid CAM)
(9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 12 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN

RN 178902-60-8 REGISTRY

CN Cytochrome P 450 [96-valine] (plasmid CAM) (9CI) (CA INDEX
NAME)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 13 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN

RN 178902-59-5 REGISTRY

CN Cytochrome P 450 [96-leucine] (plasmid CAM) (9CI) (CA INDEX
NAME)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 14 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN

RN 178902-58-4 REGISTRY

CN Cytochrome P 450 [96-phenylalanine] (plasmid CAM) (9CI) (CA
INDEX NAME)

FS PROTEIN SEQUENCE

MF Unspecified

CI MAN

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 15 OF 16. REGISTRY COPYRIGHT 2003 ACS on STN
RN 178902-57-3 REGISTRY
CN Cytochrome P 450 [96-alanine] (plasmid CAM) (9CI) (CA INDEX
NAME)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 16 OF 16 REGISTRY COPYRIGHT 2003 ACS on STN
RN 100984-13-2 REGISTRY
CN Cytochrome P 450 (plasmid CAM isoform cam protein moiety reduced)
(9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***

2 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FIL REGISTRY

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

1.27

103.35

FILE 'REGISTRY' ENTERED AT 16:15:15 ON 29 DEC 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 28 DEC 2003 HIGHEST RN 631841-90-2

DICTIONARY FILE UPDATES: 28 DEC 2003 HIGHEST RN 631841-90-2

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s pseudomonas and P450 cam

70981 PSEUDOMONAS
1217 P450
1005 CAM
0 P450 CAM
(P450 (W) CAM)
L7 0 PSEUDOMONAS AND P450 CAM

=> s pseudomonas and P450
70981 PSEUDOMONAS
1217 P450

L8 4 PSEUDOMONAS AND P450

=> dup rem l8
DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L8
L9 4 DUP REM L8 (0 DUPLICATES REMOVED)

=> d l9 1-4

L9 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS on STN
RN 522035-53-6 REGISTRY
CN Cytochrome P450 family protein (Pseudomonas putida strain KT2440 gene
PP1955) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AAN67571
CN GenBank AAN67571 (Translated from: GenBank AE016781)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS on STN
RN 443180-14-1 REGISTRY
CN Cytochrome P450 (Pseudomonas strain KIE171 gene ipuD) (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN GenBank CAC81336
CN GenBank CAC81336 (Translated from: GenBank AJ311159)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS on STN
RN 241806-10-0 REGISTRY
CN Immunoglobulin, anti(tumor cell) (synthetic single-chain) fusion
protein with exotoxin A (Pseudomonas aeruginosa translocation domain)
fusion protein with to cytochrome P450 reductase (human 436-amino acid
C-terminal fragment) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE

MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L9 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS on STN
RN 241806-09-7 REGISTRY
CN Immunoglobulin, anti(tumor cell) (synthetic single-chain) fusion
protein with exotoxin A (Pseudomonas aeruginosa translocation domain)
fusion protein with cytochrome P450 reductase (human 616-amino acid
C-terminal fragment) (9CI) (CA INDEX NAME)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s bacteria and P450
2379 BACTERIA
1217 P450
L10 0 BACTERIA AND P450

=> s escherichia and P450
55825 ESCHERICHIA
1217 P450
L11 0 ESCHERICHIA AND P450

=> s human and P450
2874230 HUMAN
1217 P450
L12 170 HUMAN AND P450

=> dup rem l12
DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L12
L13 170 DUP REM L12 (0 DUPLICATES REMOVED)

=> d l13

L13 ANSWER 1 OF 170 REGISTRY COPYRIGHT 2003 ACS on STN
RN 606661-40-9 REGISTRY
CN P450-like protein protein (human clone DNA66512 gene UNQ667) (9CI)
(CA INDEX NAME)

OTHER NAMES:

CN GenBank AAQ89427
CN GenBank AAQ89427 (Translated from: GenBank AY359068)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l13 5

L13 ANSWER 5 OF 170 REGISTRY COPYRIGHT 2003 ACS on STN
RN 569295-84-7 REGISTRY
CN Cytochrome P450 2R1 (human gene CYP2R1) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN GenBank AAQ23114
CN GenBank AAQ23114 (Translated from: GenBank AY323817)
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR GenBank
LC STN Files: CA, CAPLUS

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s P450 cam
1217 P450
1005 CAM
L14 0 P450 CAM
(P450(W)CAM)

=> s P450cam
L15 0 P450CAM

=> d his

(FILE 'HOME' ENTERED AT 16:05:47 ON 29 DEC 2003)

FILE 'REGISTRY' ENTERED AT 16:06:03 ON 29 DEC 2003

L1 0 S P450CAM
L2 0 S CAMC GENE
L3 0 S CAMC AND P450
L4 16 S P-450 AND CAM

FILE 'REGISTRY' ENTERED AT 16:10:09 ON 29 DEC 2003

SET TERMSET E#
DEL SEL Y
SEL L4 16 RN
L5 1 S E1/RN
SET TERMSET LOGIN

FILE 'USPATFULL' ENTERED AT 16:10:13 ON 29 DEC 2003

L6 2 S L5

FILE 'REGISTRY' ENTERED AT 16:14:27 ON 29 DEC 2003

FILE 'USPATFULL' ENTERED AT 16:14:29 ON 29 DEC 2003

FILE 'REGISTRY' ENTERED AT 16:15:15 ON 29 DEC 2003

L7 0 S PSEUDOMONAS AND P450 CAM
L8 4 S PSEUDOMONAS AND P450

L9 4 DUP REM L8 (0 DUPLICATES REMOVED)
L10 0 S BACTERIA AND P450
L11 0 S ESCHERICHIA AND P450
L12 170 S HUMAN AND P450
L13 170 DUP REM L12 (0 DUPLICATES REMOVED)
L14 0 S P450 CAM
L15 0 S P450CAM

=> log

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

72.36

175.71

STN INTERNATIONAL LOGOFF AT 16:20:09 ON 29 DEC 2003